

What is Claimed:

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1. A method of preventing a flooding attack on a network server in which a large number of connectionless datagrams are received for queuing to a port number on the server, comprising:

5 determining, in response to the arrival of a datagram  
6 from a host for a port number on the server, if the number of  
7 datagrams already queued to the port number from the host  
8 exceeds a prescribed threshold, and, if so,

9 discarding the datagram.

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4 means for determining, in response to a datagram from a  
5 host for a port number on the server, if the number of  
6 datagrams queued on the port by the host exceeds a prescribed  
7 threshold, and

8 means responsive to the determining means for discarding  
9 the datagram.

1 4. The method of claim 3 wherein the means for determining  
2 if the number of datagrams already queued to the port from the  
3 host exceeds a prescribed threshold further comprises:

4 means for calculating the prescribed threshold by  
5 multiplying a percentage P by the number of available queue  
6 slots for the port number.

7 5. A storage media containing program code segments for  
8 preventing a flooding attack on a network server in which a  
9 large number of datagrams are received for queuing to a port  
number on the server, comprising:

1 a first code segment activated in response to a datagram  
2 from a host for a port number on the server for determining if  
3 the number of datagrams already queued to the port from the  
4 host exceeds a prescribed threshold, and

5 a second code segment responsive to the first code

10 segment for discarding the datagram.

1 6. The storage media of claim 5 wherein the first code  
2 segment further comprises:

3 a third code segment for calculating the prescribed  
4 threshold by multiplying a percentage P by the number of  
5 available queue slots for the port number.

1 7. A carrier wave containing program code segments for  
2 preventing a flooding attack on a network server in which a  
3 large number of datagrams are received for queuing to a port  
4 number on the server, comprising:

5 a first code segment activated in response to a datagram  
6 from a host for queuing to a port number on the server for  
7 determining if the number of datagrams already queued to the  
8 port from the host exceeds a prescribed threshold, and

9 a second code segment responsive to the first code  
10 segment for discarding the datagram.

1 8. The carrier wave of claim 7 wherein the first code segment  
2 further comprises:

3 a third code segment for calculating the prescribed  
4 threshold by multiplying a percentage P by the number of

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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